

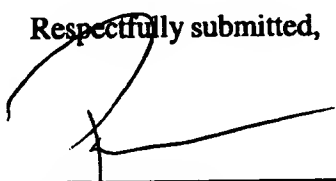
#61

U.S.S.N. 07/867,819
Filed: April 13, 1992
RESPONSE TO OFFICE ACTION

Declaration under 37 C.F.R. § 1.821(f)

I declare that the material on the diskette is identical to the enclosed paper copy of the Sequence Listing and the sequences as filed in the application on April 13, 1992, that the Sequence Listing does not add new matter to the application, and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,



Patrea L. Pabst
Reg. No. 31,284

Date: June 18, 2003

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(404) 817-8473
(404) 817-8588 (Fax)



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003
TIME: 12:30:32

Input Set : N:\Cr4\03122003\G867919C.raw
Output Set: N:\CRF4\03132003\G867819C.raw

C--> 1 <110> APPLICANT: Harley, John
2 <120> TITLE OF INVENTION: Methods and Reagents for Diagnosis of Autoantibodies
3 <130> FILE REFERENCE: OMRF 114 CIP (2)
4 <140> CURRENT APPLICATION NUMBER: US/07/867,819C
5 <141> CURRENT FILING DATE: 1992-04-13
6 <150> PRIOR APPLICATION NUMBER: 07/472,947
7 <151> PRIOR FILING DATE: 1990-01-31
8 <150> PRIOR APPLICATION NUMBER: 07/648,205
9 <151> PRIOR FILING DATE: 1991-01-31
10 <160> NUMBER OF SEQ ID NOS: 161
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 8
15 <212> TYPE: PRT
16 <213> ORGANISM: homo sapien
17 <220> FEATURE:
18 <221> NAME/KEY: MISC_FEATURE
19 <222> LOCATION: (1)..(8)
20 <223> OTHER INFORMATION: Binding site
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22 Gly Thr Phe Lys Ala Phe Asp Lys
23 1 5
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 15
27 <212> TYPE: PRT
28 <213> ORGANISM: homo sapien
29 <220> FEATURE:
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31 <222> LOCATION: (1)..(8)
32 <223> OTHER INFORMATION: Binding site
33 <400> SEQUENCE: 2
34 Cys Asp Glu Phe Arg Lys Ile Lys Pro Lys Asn Ala Lys Gln Pro
35 1 5 10 15
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 8
39 <212> TYPE: PRT
40 <213> ORGANISM: homo sapien
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43 <222> LOCATION: (1)..(8)
44 <223> OTHER INFORMATION: Binding site
45 <400> SEQUENCE: 3
46 Arg Val Pro Leu Ala Gly Ala Ala

Does Not Comply
Corrected Diskette Needed

pp. 4, 6

RAW SEQUENCE LISTING

PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003

TIME: 12:30:32

Input Set : N:\Crif4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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51 <212> TYPE: PRT
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53 <220> FEATURE:
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55 <222> LOCATION: (4)..(11)
56 <223> OTHER INFORMATION: Binding site
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59      1      5      10      15
60      Gly
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64 <212> TYPE: PRT
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68 <222> LOCATION: (7)..(14)
69 <223> OTHER INFORMATION: Binding site
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71      Ala Gly Leu Ala Gly Pro Val Arg Gly Val Gly Gly Pro Ser Gln
72      1      5      10      15
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76 <212> TYPE: PRT
77 <213> ORGANISM: homo sapien
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79 <221> NAME/KEY: MISC_FEATURE
80 <222> LOCATION: (3)..(10)
81 <223> OTHER INFORMATION: Binding site
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83      Gln Val Met Thr Pro Gln Gly Arg Gly Thr Val Ala
84      1      5      10
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87 <211> LENGTH: 15
88 <212> TYPE: PRT
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90 <220> FEATURE:
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92 <222> LOCATION: (8)..(15)
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96      1      5      10      15
98 <210> SEQ ID NO: 8
99 <211> LENGTH: 15
100 <212> TYPE: PRT

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RAW SEQUENCE LISTING

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TIME: 12:30:32

Input Set : N:\Crif4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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101 <213> ORGANISM: homo sapien
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103 <221> NAME/KEY: MISC_FEATURE
104 <222> LOCATION: (2)..(9)
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128 <222> LOCATION: (3)..(10)
129 <223> OTHER INFORMATION: Binding site
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132     1      5      10
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136 <212> TYPE: PRT
137 <213> ORGANISM: homo sapien
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140 <222> LOCATION: (5)..(12)
141 <223> OTHER INFORMATION: Binding site
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150 <220> FEATURE:
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152 <222> LOCATION: (1)..(8)
153 <223> OTHER INFORMATION: Binding site

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003

TIME: 12:30:32

Input Set : N:\Crif4\03122003\G867919C.raw
Output Set: N:\CRF4\03132003\G867819C.raw

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156 1 5
158 <210> SEQ ID NO: 13
159 <211> LENGTH: 11
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161 <213> ORGANISM: homo sapien
162 <220> FEATURE:
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164 <222> LOCATION: (1)..(8)
165 <223> OTHER INFORMATION: Binding site
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167 Arg Pro Pro Pro Pro Gly Ile Arg Gly Pro Pro
168 1 5 10
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171 <211> LENGTH: 12
172 <212> TYPE: PRT
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176 <222> LOCATION: (3)..(10)
177 <223> OTHER INFORMATION: Binding site
178 <220> FEATURE:
179 <221> NAME/KEY: VARIANT
180 <222> LOCATION: (9)..(9)
181 <223> OTHER INFORMATION: Arginine at position 9 can be substituted with F, G, H, I, K, S, T, V and Y.
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184 Arg Gly Pro Pro Pro Pro Gly Met Arg Pro Pro Arg
185 1 5 10
187 <210> SEQ ID NO: 15
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189 <212> TYPE: PRT
190 <213> ORGANISM: homo sapien
191 <220> FEATURE:
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193 <222> LOCATION: (1)..(8)
194 <223> OTHER INFORMATION: Binding site
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196 Thr Phe Lys Ala Phe Asp Lys His Met
197 1 5
199 <210> SEQ ID NO: 16
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201 <212> TYPE: PRT
202 <213> ORGANISM: homo sapien
203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (1)..(8)
206 <223> OTHER INFORMATION: Binding site

If the amino acid at position 9 can vary, please use Xaa, instead, and explain in 220.
Arginine at position 9 can be substituted with F, G, H, I, K, S, T, V and Y.
223, DLA

RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crfa\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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209         1             5
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213 <212> TYPE: PRT
214 <213> ORGANISM: homo sapien
215 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
217 <222> LOCATION: (1)..(8)
218 <223> OTHER INFORMATION: Binding site
219 <400> SEQUENCE: 17
220     Lys Asp Thr Gly Ile Ala Arg Val
221         1             5
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 10
225 <212> TYPE: PRT
226 <213> ORGANISM: homo sapien
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (3)..(10)
230 <223> OTHER INFORMATION: Binding site
231 <400> SEQUENCE: 18
232     Ile Pro Gln Ala Pro Ala Gly Leu Ala Gly
233         1             5             10
235 <210> SEQ ID NO: 19
236 <211> LENGTH: 18
237 <212> TYPE: PRT
238 <213> ORGANISM: homo sapien
239 <220> FEATURE:
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242 <223> OTHER INFORMATION: Binding site
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244     Gln Val Leu Asn Ile Gln Met Arg Arg Thr Leu His Lys Ala Phe Lys
245         1             5             10             15
246     Gly Ser
248 <210> SEQ ID NO: 20
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250 <212> TYPE: PRT
251 <213> ORGANISM: homo sapien
252 <220> FEATURE:
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254 <222> LOCATION: (8)..(15)
255 <223> OTHER INFORMATION: Binding site
256 <400> SEQUENCE: 20
257     Ile Cys His Gln Ile Glu Tyr Tyr Phe Gly Asp Phe Asn Leu Pro Arg
258         1             5             10             15
259     Asp Lys Phe Leu Lys

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003
TIME: 12:30:33

Input Set : N:\Crf4\03122003\G867919C.raw
Output Set: N:\CRF4\03132003\G867819C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:119; Xaa Pos. 5

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:14; Line(s) 181

VERIFICATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:33

Input Set : N:\Cr4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

**L:4 M:270 C: Current Application Number differs, Replaced Current Application Number
L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0**

ATT